

Title (en)

Cathode ray tube phosphor protection

Title (de)

Leuchtstoffschutz für Kathodenstrahlröhren

Title (fr)

Protection de phosphore pour tubes à rayons cathodiques

Publication

EP 1294180 A3 20040609 (EN)

Application

EP 02292049 A 20020816

Priority

US 31624101 P 20010831

Abstract (en)

[origin: EP1294180A2] A cathode ray tube video display comprises a cathode ray tube (CRT) for displaying a video signal (Vin) coupled thereto. A cathode ray tube electron beam blanker (201) is coupled to the cathode ray tube (CRT) and is responsive to a blanking trigger signal (GK) for blanking an electron beam (e) within the cathode ray tube (CRT). A blanking controller (200) is coupled to the cathode ray tube electron beam blanker (201) and generates the blanking trigger signal (Gk) for controlling electron beam blanking, wherein the electron beam (e) is blanked for different durations in accordance with one of a hot and cold start condition. <IMAGE>

IPC 1-7

H04N 3/20; **H04N 3/24**

IPC 8 full level

H04N 3/23 (2006.01); **H04N 3/20** (2006.01); **H04N 3/24** (2006.01)

CPC (source: EP KR US)

H04N 3/20 (2013.01 - EP US); **H04N 3/23** (2013.01 - KR); **H04N 3/24** (2013.01 - EP US)

Citation (search report)

- [XA] US 5345267 A 19940906 - FLICKNER ANDREW K [US]
- [X] US 5043639 A 19910827 - GURLEY THOMAS D [US], et al
- [A] EP 0975151 A1 20000126 - THOMSON CONSUMER ELECTRONICS [US]

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SK TR

DOCDB simple family (publication)

EP 1294180 A2 20030319; **EP 1294180 A3 20040609**; CN 1322537 C 20070620; CN 1407589 A 20030402; JP 2003110871 A 20030411; KR 20030019157 A 20030306; MX PA02008521 A 20050411; MY 127958 A 20070131; US 2003057839 A1 20030327; US 6894445 B2 20050517

DOCDB simple family (application)

EP 02292049 A 20020816; CN 02141483 A 20020830; JP 2002248963 A 20020828; KR 20020051006 A 20020828; MX PA02008521 A 20020830; MY PI20023179 A 20020827; US 21393402 A 20020807